GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar, PG_00059160		
Field of study	Environmental Engineering		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	4	Language of instruction	Polish
Semester of study	7	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Geotechnical and Hydraulic Engineering -> Faculty of Civil and Environmental Engineering -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Katarzyna Weinerowska-Bords	
	Teachers	dr hab. inż. Katarzyna Weinerowska-Bords	

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	45.0	45
	E-learning hours included: 0.0						

Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
	Number of study hours	45	6.0	50.0	101

Subject objectives	Preparation for the diploma examination - revision of the material from the perspective of the entire study (looking for relationships, contexts and applications). Deepening the selected topic. Preparation for writing a thesis. Presentation of own diploma theses.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W17] has a structured and in-depth knowledge of environmental engineering as part of the diploma profiles offered	The student is able to prepare a short and concise statement on a given (previously known) topic in the field of environmental engineering, notices the connections between issues from different subjects and is able to conduct a discussion within the analyzed issue.	[SW1] Assessment of factual knowledge
[K6_U03] can prepare documentation regarding the implementation of an engineering task/project and prepare a text or presentation including a discussion of the results of the implementation	Preparation and presentation of the diploma thesis.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
[K6_K01] can think and act in a creative and enterprising way; can set priorities for the implementation of an individual or group task; understands the need for continuous training and professional responsibility for their activities and team	Preparation and presentation of the diploma thesis.	[SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work
[K6_U01] has the ability to self-education, can obtain information from literature, databases and other sources, uses information technology, Internet resources; can integrate the obtained information, make their interpretation, as well as draw conclusions and formulate and justify opinions	Preparation and presentation of the diploma thesis.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task

Subject contents

General rules for the preparation of the diploma thesis. Motivation, proactivity, goal setting, time management. Critical analysis of information. Methods of documentation of bibliographic sources.

Repetition of the material from hydraulics (e.g. flow categories, hydraulic bases of flows under pressure, in open channels and filtration flows, holes and overflows), hydrology (e.g. basic processes of water circulation, factors conditioning surface runoff, precipitation formation, controlled and uncontrolled catchments, determination of drainage from catchments), water management (e.g. floods and droughts). Relationships of basic subjects with specialist subjects. The role of hydrology and hydraulics in environmental engineering. Searching for relationships, contexts and applications.

Prerequisites and co-requisites

Credited classes from previous semesters

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Active participation in classes	80.0%	70.0%
preparation and delivery of a presentation	60.0%	30.0%

Recommended reading

Basic literature	Books, articles and studies published in magazines and conference materials related to the topic of the diploma thesis.
Supplementary literature	Textbooks and scripts for subjects carried out during studies
eResources addresses	

Example issues/ example questions/ tasks being completed

Analysis of factors influencing the flow resistance. Evaluation of the estimation of the amount of sewage discharged to the treatment plant. Review of basic information on flow classification

Work placement

Not applicable

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